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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,255	03/23/2006	Jifeng Li	L9289.06128	2983
52989 7590 04/01/2009 Dickinson Wright PLLC James E. Ledbetter, Esq. International Square 1875 Eye Street, N.W., Suite 1200 Washington, DC 20006				
EXAMINER RIZK, SAMIR WADIE				
ART UNIT 2112		PAPER NUMBER		
MAIL DATE 04/01/2009		DELIVERY MODE PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/573,255

Applicant(s)

LI, JIFENG

Examiner

SAM RIZK

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 6-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 6-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/5508)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

- Response to the applicant's amendment dated 12/19/2008
- Claims 1-5 have been Cancelled
- New claims 6-10 have been submitted for examination
- Claims 6-10 have been rejected

Response to Arguments

1. In view the Applicant has cancelled pending claims 1-5 and submitted new claims 6-10, the Applicant's arguments with respect to claims 1-5 have been considered but are moot. New ground(s) of rejection of claims 6-10 follows.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 6-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Stewart et al. US patent no. 7260770 (Hereinafter Stewart).
3. In regard to claim 6, Stewart teaches:
 - (New) An input control apparatus comprising:

- a bit number reduction section that discards bits in a last half of a systematic part and bits in last halves of parity parts comprising a plurality of sequences, the systematic part and the parity parts being received as input in a turbo decoder; and

(Figure 6 and col.6, lines (52-67) through col. 7, lines (1-43). Note RV5/6 the bit reduction is in the half of the matrix in Stewart)

- a control section that controls the bit number reduction section so that the number of bits in one sequence of the parity parts after the discarding is less than the number of bits in the systematic part after the discarding.

(Figure 6 and col.6, lines (52-67) through col. 7, lines (1-43). Note RV5/6 the parity bits is less than the systematic bits. In Stewart)

4. In regard to claim 7, Stewart teaches:

- (New) The input control apparatus according to claim 6, wherein the control section controls the bit number reduction section so that the number of bits in the parity parts is determined in accordance with a coding rate and/or coding block length of a bit sequence received as input in the turbo decoder.

(Code rate equation in Claim 1 in Stewart)

5. In regard to claim 8, Stewart teaches:

- The input control apparatus according to claim 7, wherein the control section controls the bit number reduction section so that the number of bits in the parity parts decreases as the coding rate of the bit sequence received as input in the

turbo decoder decreases and the number of bits in the parity parts increases as the coding rate increases.

(Figure 6 (RV0-7) and code rate equation cited in claim 1 in Stewart)

6. In regard to claim 9, Stewart teaches:
 - The input control apparatus according to claim 7, wherein the control section controls the bit number reduction section so that the number of bits in the parity parts decreases as the coding block length received as input in the turbo decoder increases and the number of bits in the parity parts increases as the coding block length decreases.
- (Figure 6 (RV0-7) and code rate equation cited in claim 1 in Stewart)
7. Claim 10 is rejected for the same reasons as per claim 5.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory

action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Rizk whose telephone number is (571) 272-8191. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Scott Baderman can be reached on (571) 272-3644. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see <http://pair-direct.uspto.gov>.

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Should you have questions on access to the Private PAIR system, contact the
Electronics Business Center (EBC) at 866-217-9197 (toll-free)

/Sam Rizk/

Examiner, Art Unit 2112

/Guy J Lamarre/

Primary Examiner, Art Unit 2112